

ABSTRACT OF THE DISCLOSURE

Disclosed herein are a method and an apparatus for providing a high efficiency seal in an electrical connector. The seal provides an impediment to the passage of fluid at one end of the electrical connector to the environment at the other end of the electrical connector. The electrical connector may be incorporated into an over-mold that contains other components. The electrical connector achieves the highly efficient seal through a combination of a dual torturous path design, incorporation of melt ribs, and may further involve the technique of impregnation.